Abstract Of The Disclosure

A method for manufacturing a pressed part from a soft magnetic composite material. A starting mixture is provided that includes an iron powder and an auxiliary pressing agent. The starting mixture is pressed to form a pressed part and annealed at temperatures between 380°C and 450°C in a mixture of an inert gas and oxygen that has an oxygen concentration between 1% and 10% by volume. A second embodiment of a method for manufacturing a pressed part from a soft magnetic composite material in which a starting mixture is provided that includes an iron powder and an auxiliary pressing agent. The starting mixture is pressed to form a pressed part, annealed, and then postformed and re-annealed.